

FIG. 1C

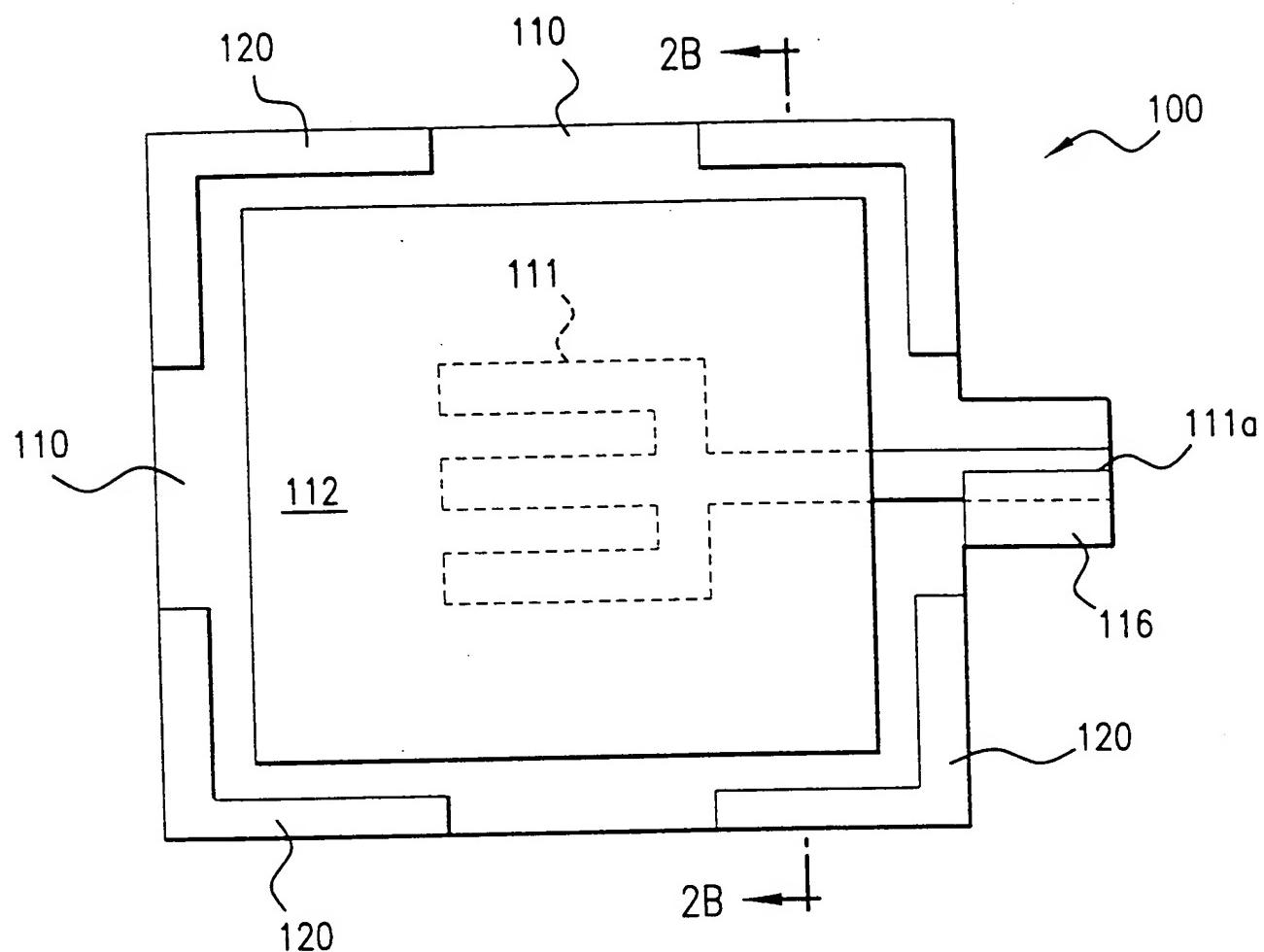


FIG. 2A

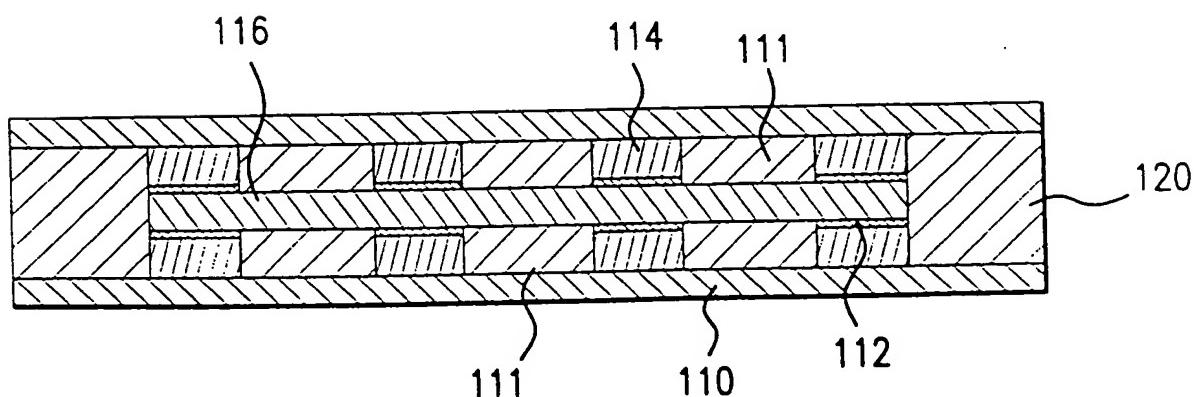


FIG. 2B

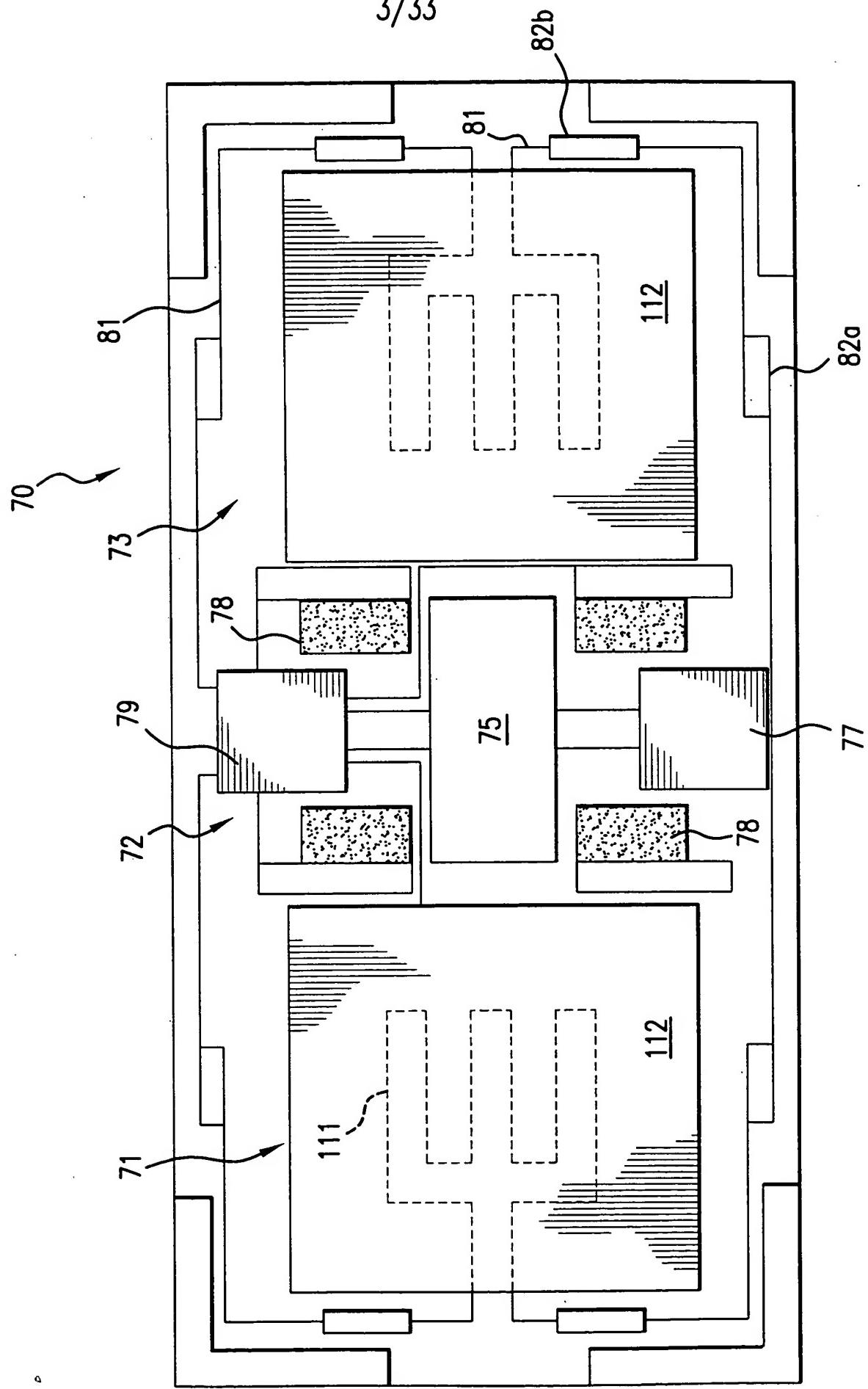
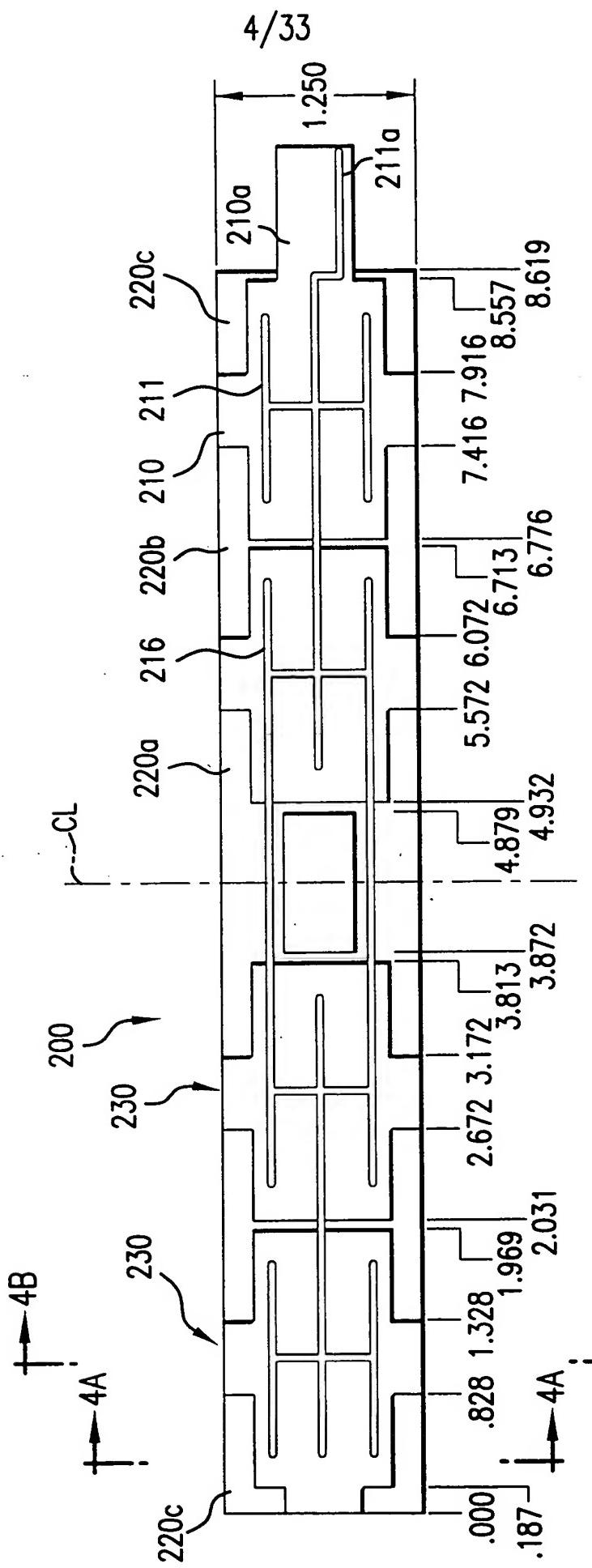


FIG.2C

FIG. 3



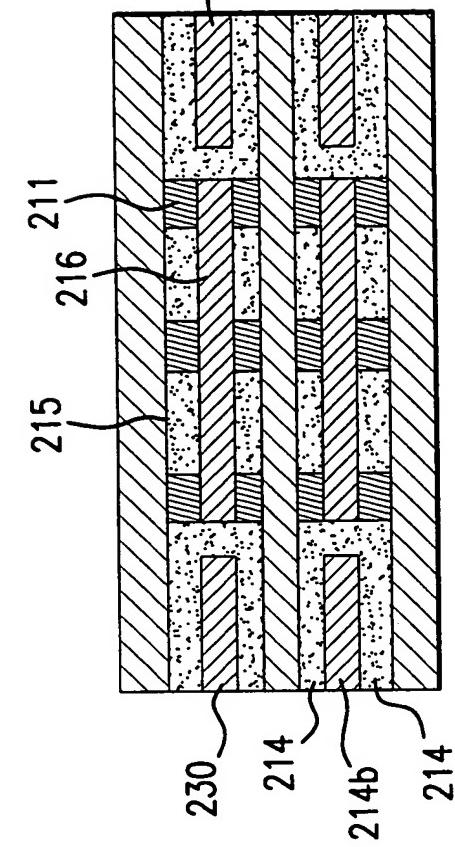


FIG. 4B

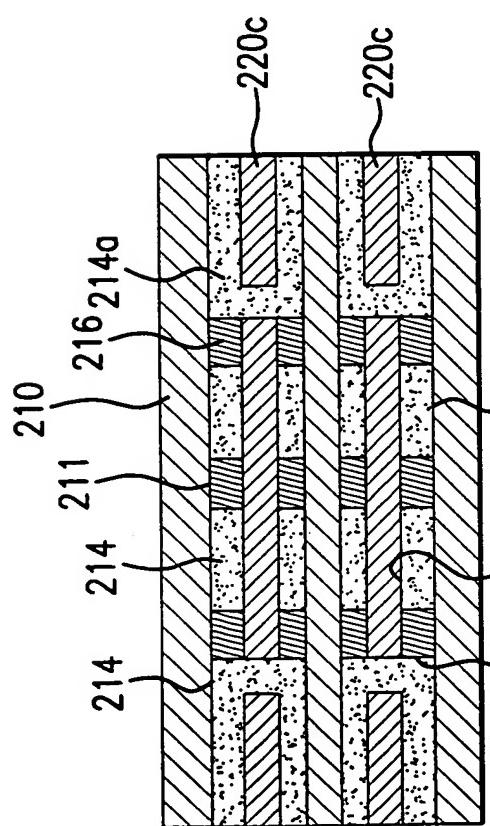
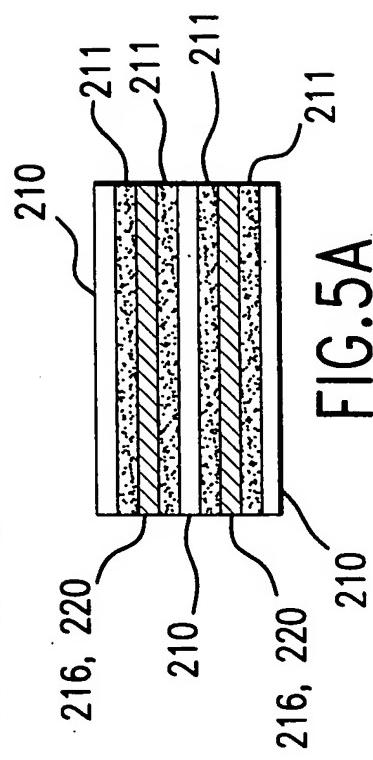
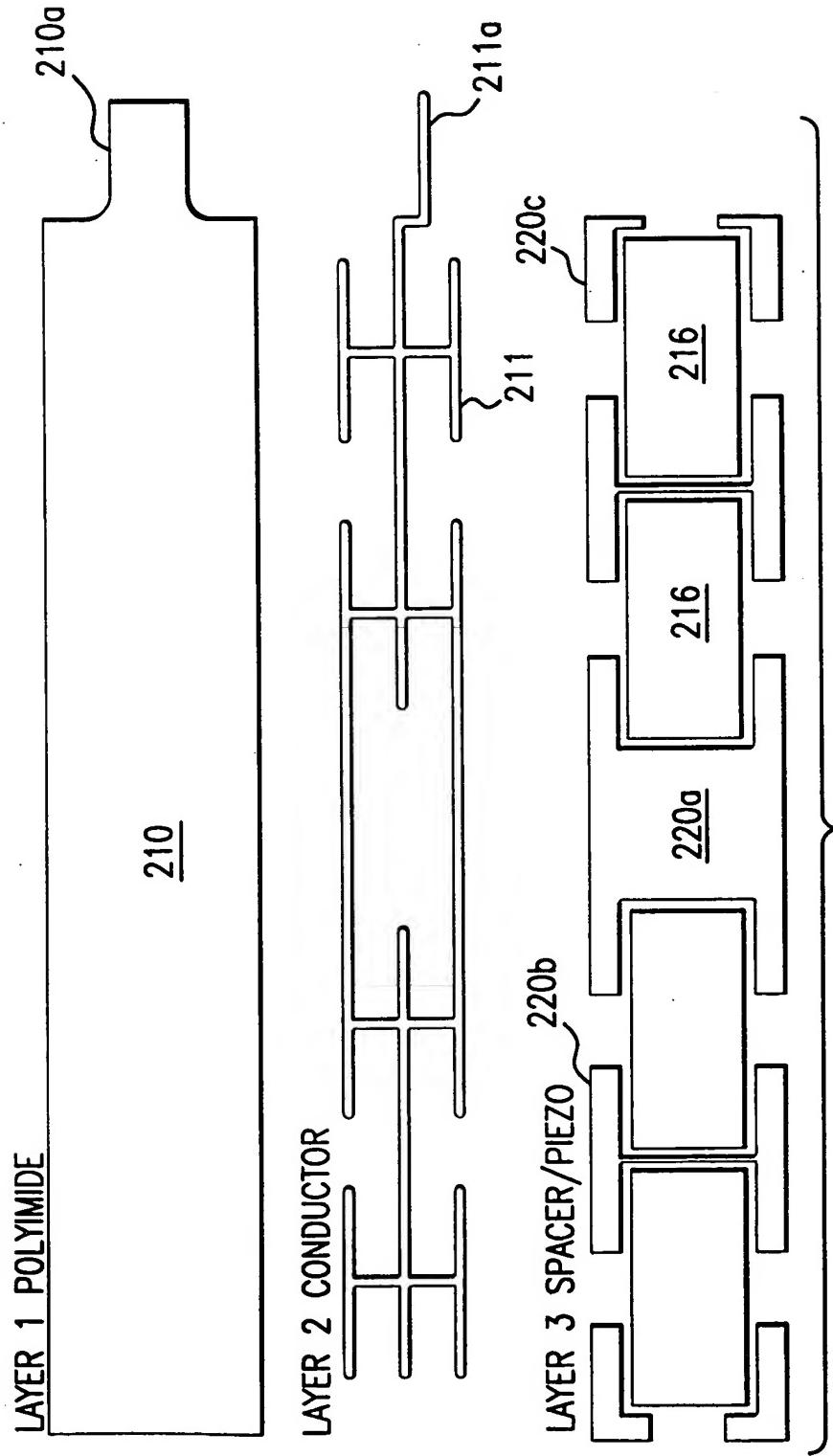


FIG. 4A



7/33

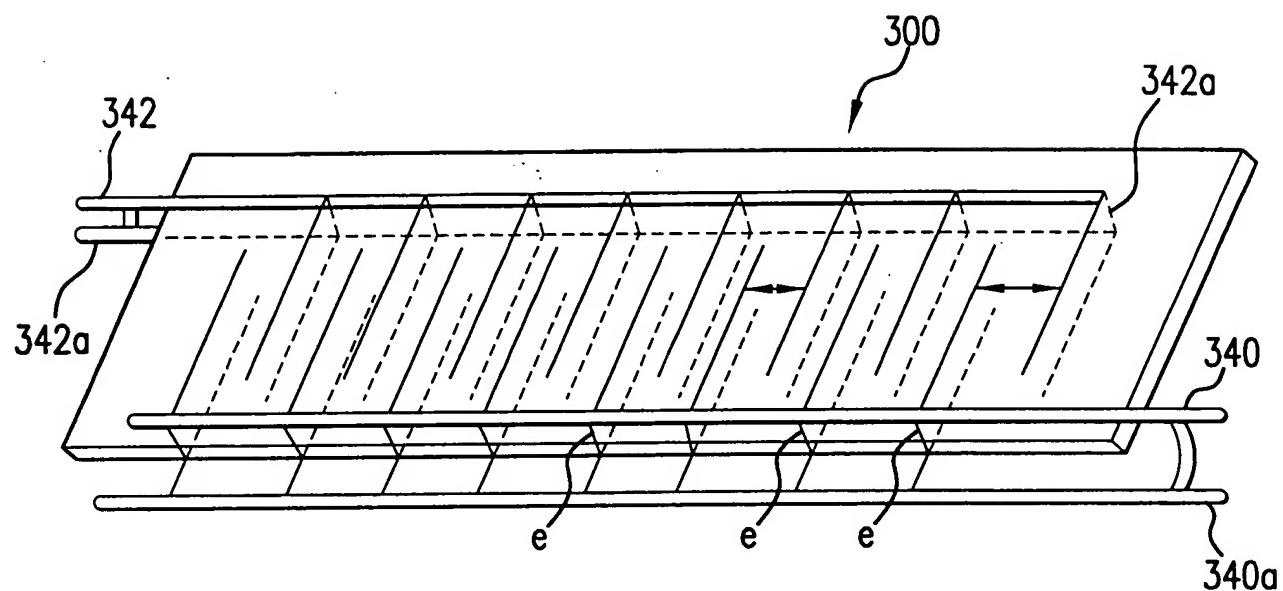


FIG.6

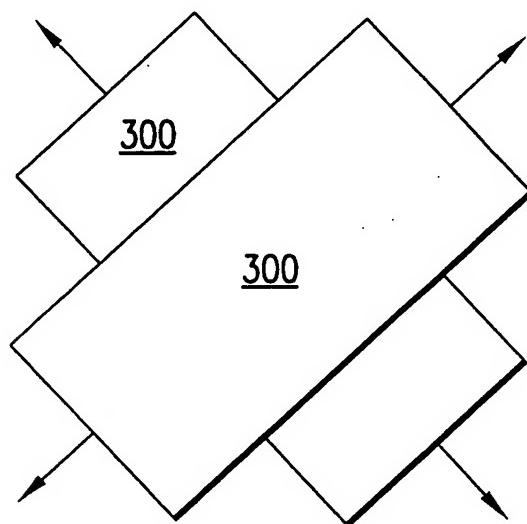


FIG.7

8/33

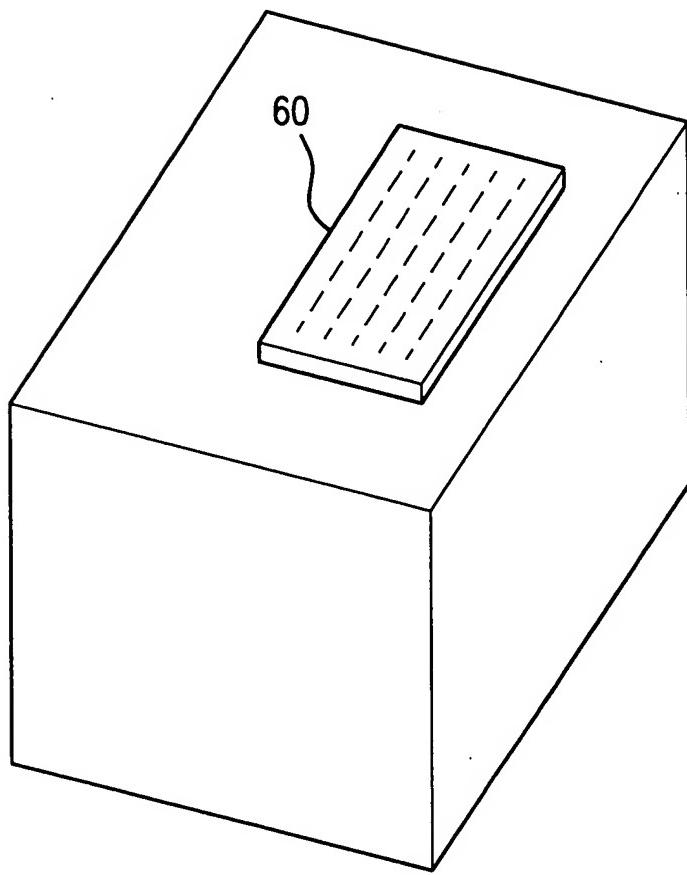


FIG.8A

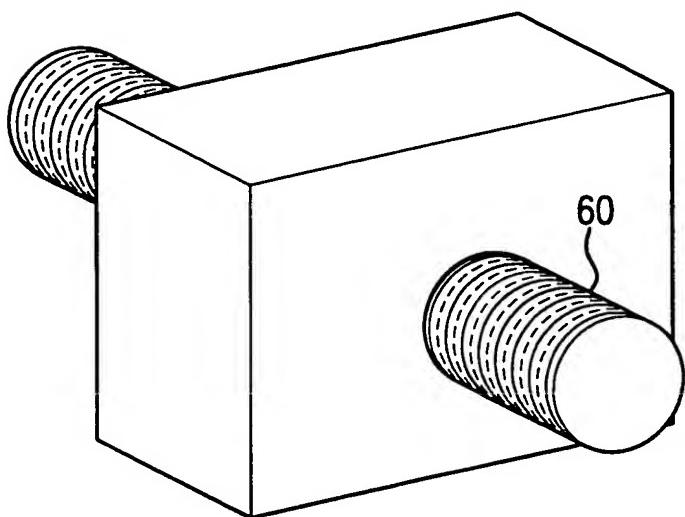


FIG.8B

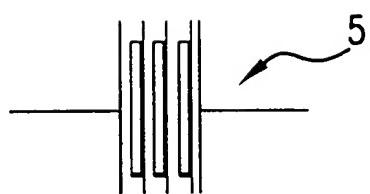


FIG.9A

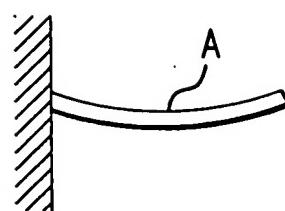


FIG.9B

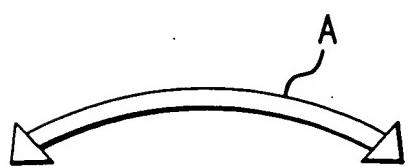


FIG.9C

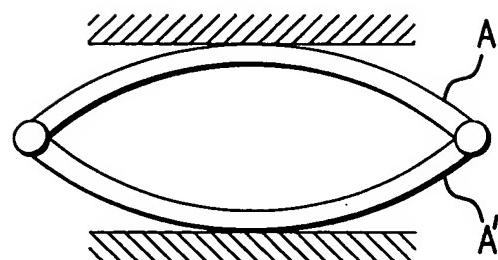


FIG.9D

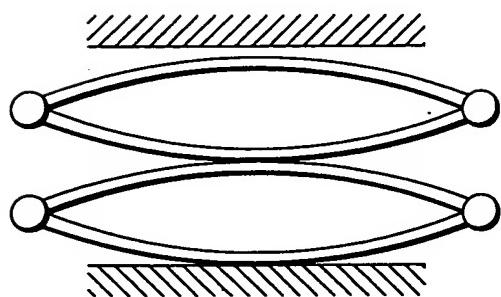


FIG.9E

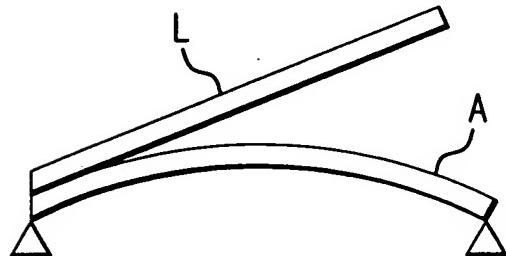


FIG.9F

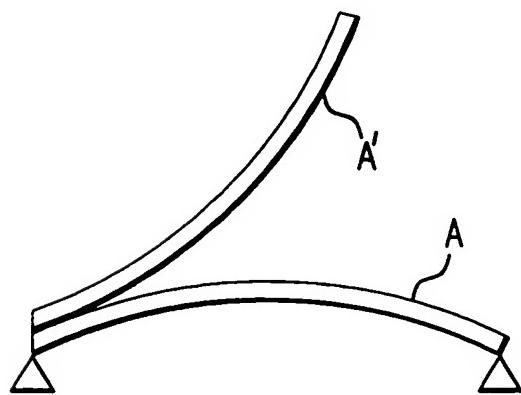


FIG.9G

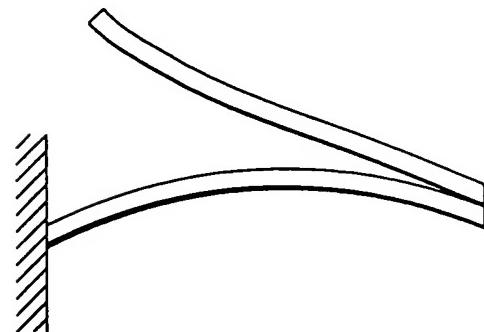


FIG.9H

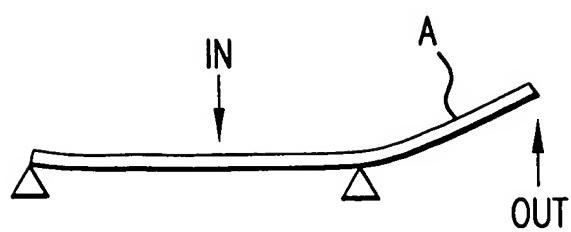


FIG.9I

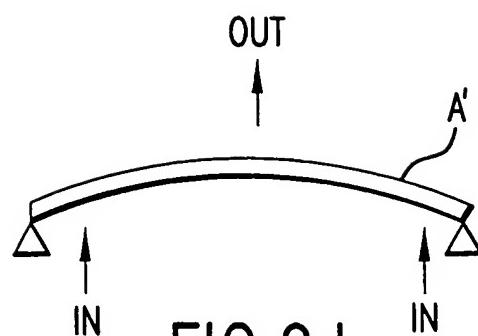


FIG.9J

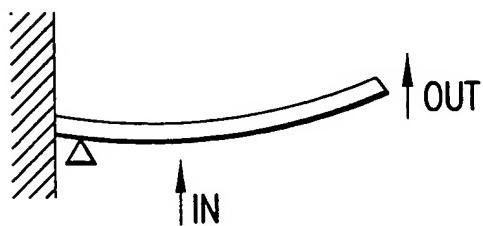


FIG.9K

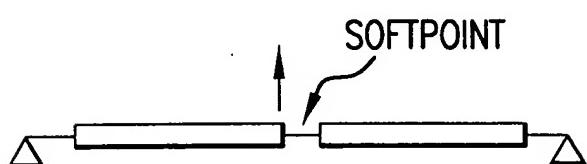


FIG.9L

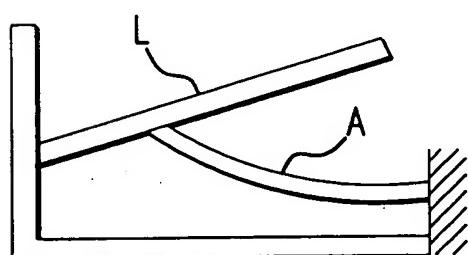


FIG.9M

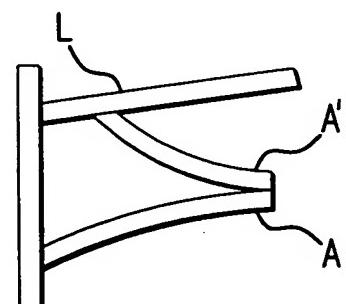


FIG.9N

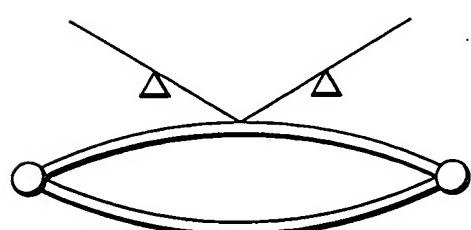


FIG.9O

11/33

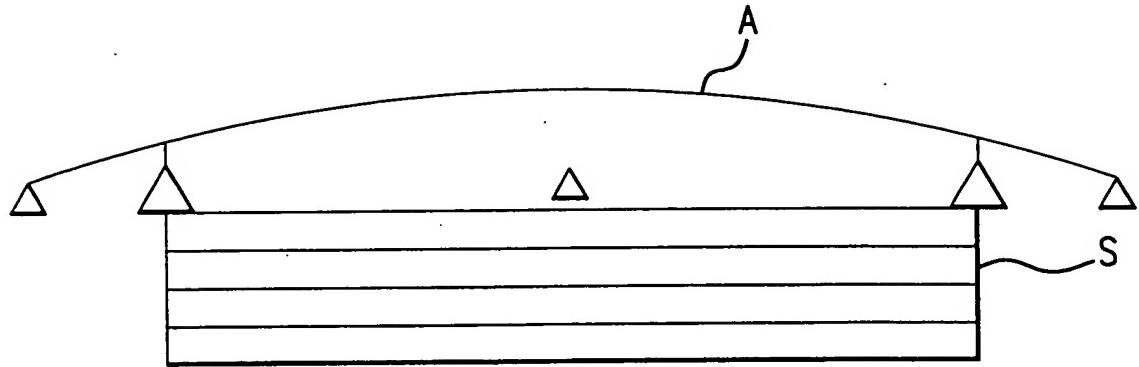


FIG.9P

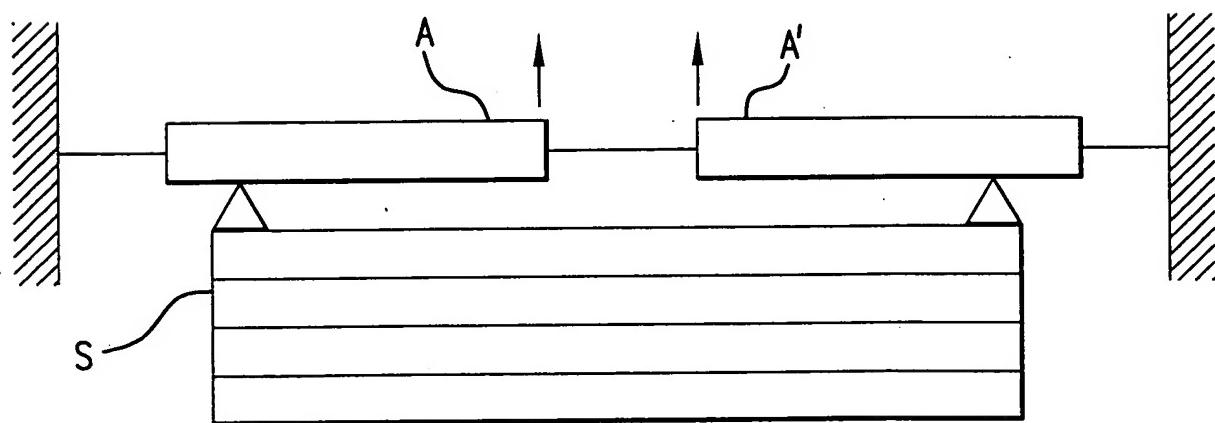


FIG.9Q

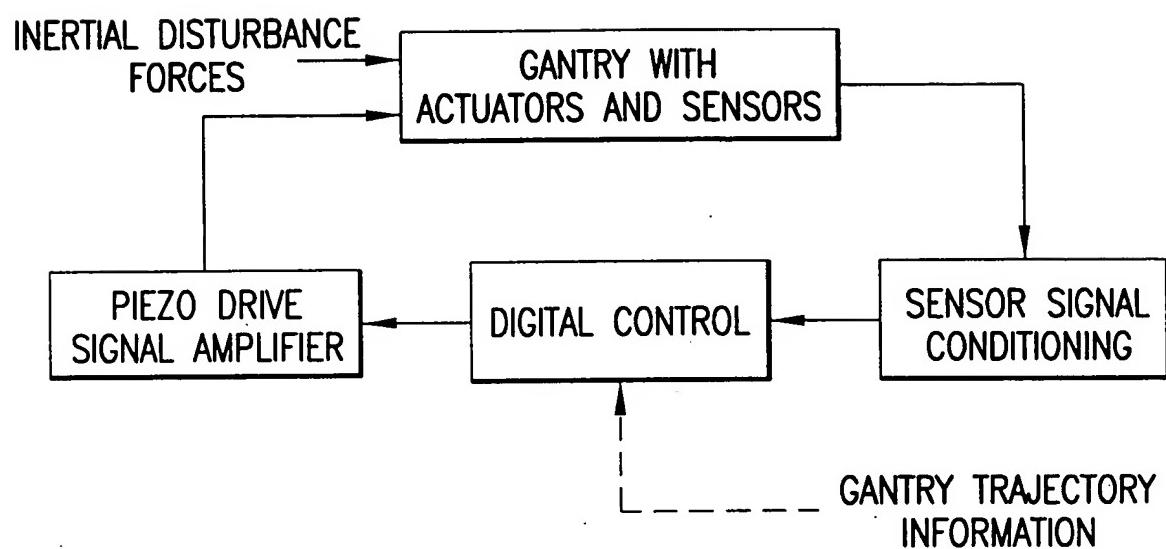


FIG.10

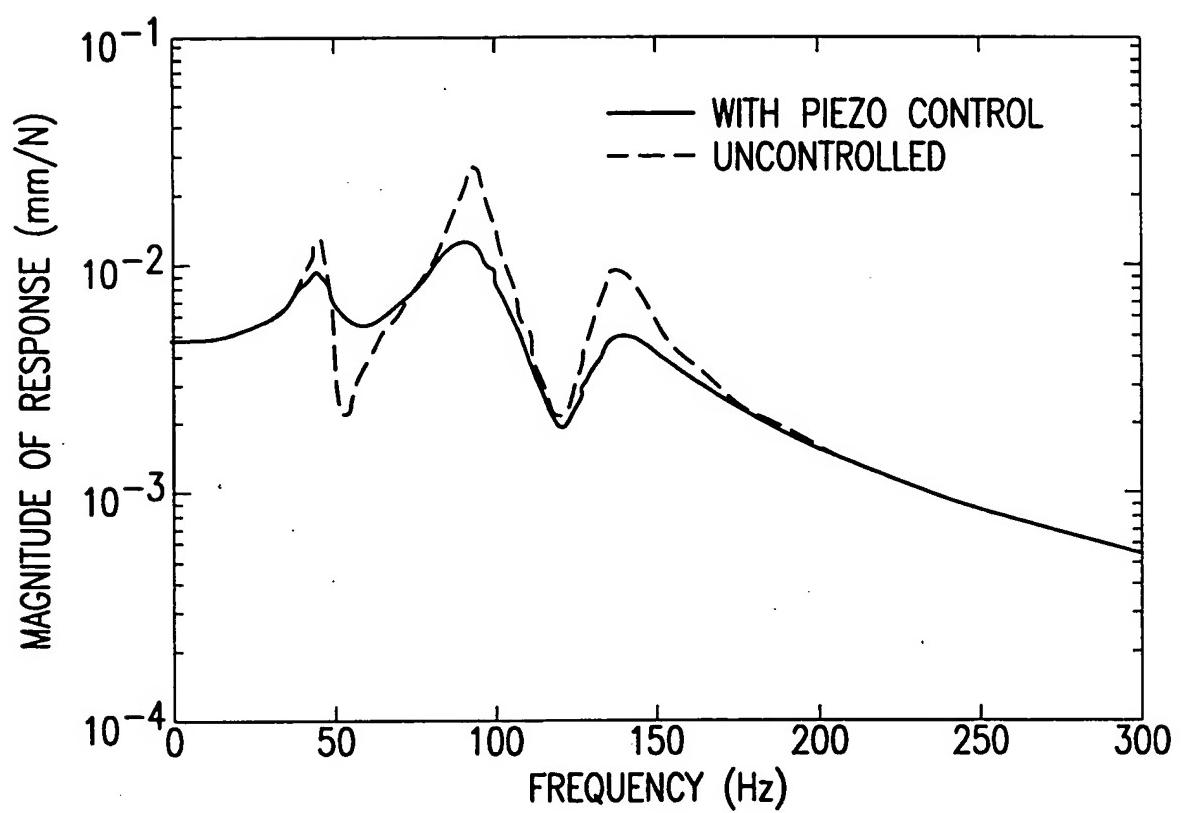


FIG.11

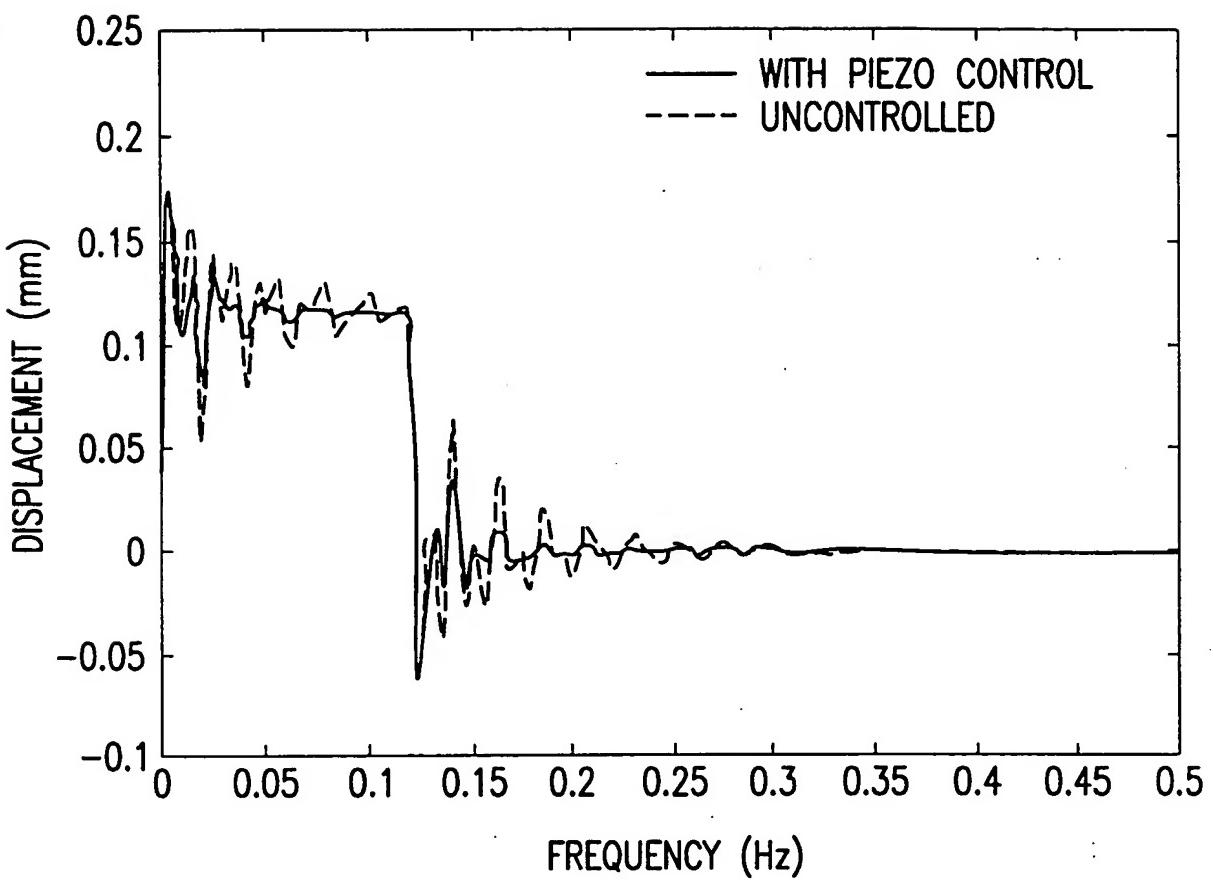


FIG.12

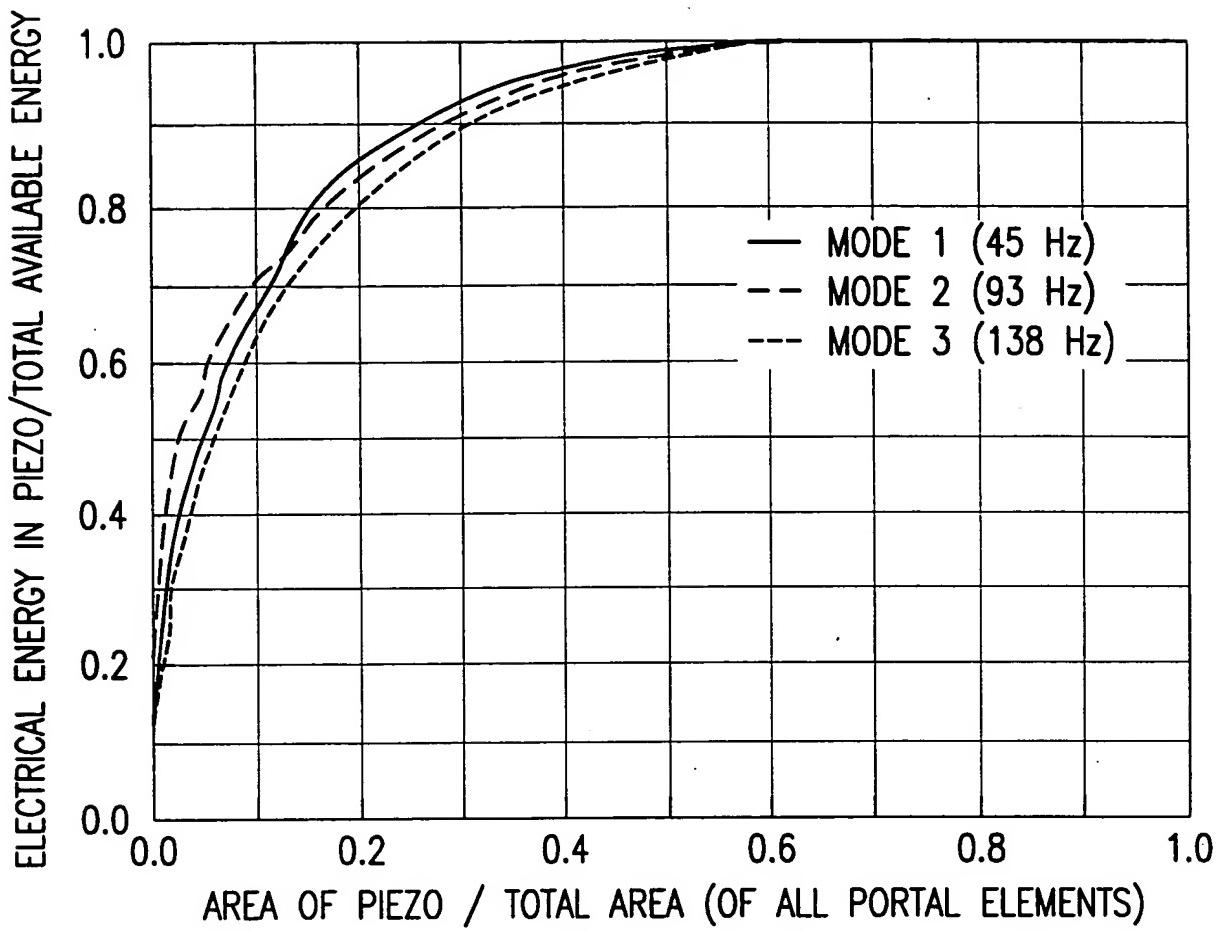


FIG.13

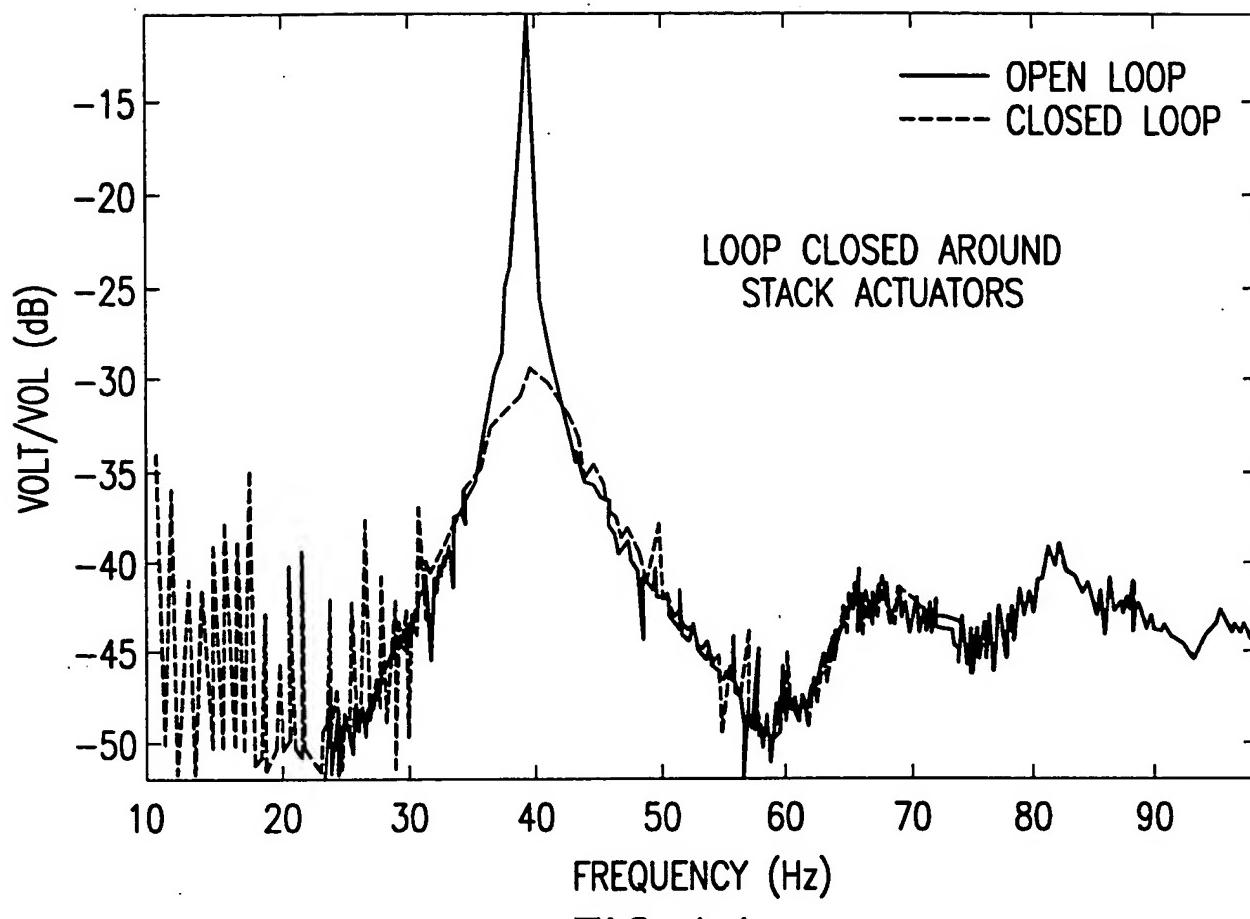


FIG.14

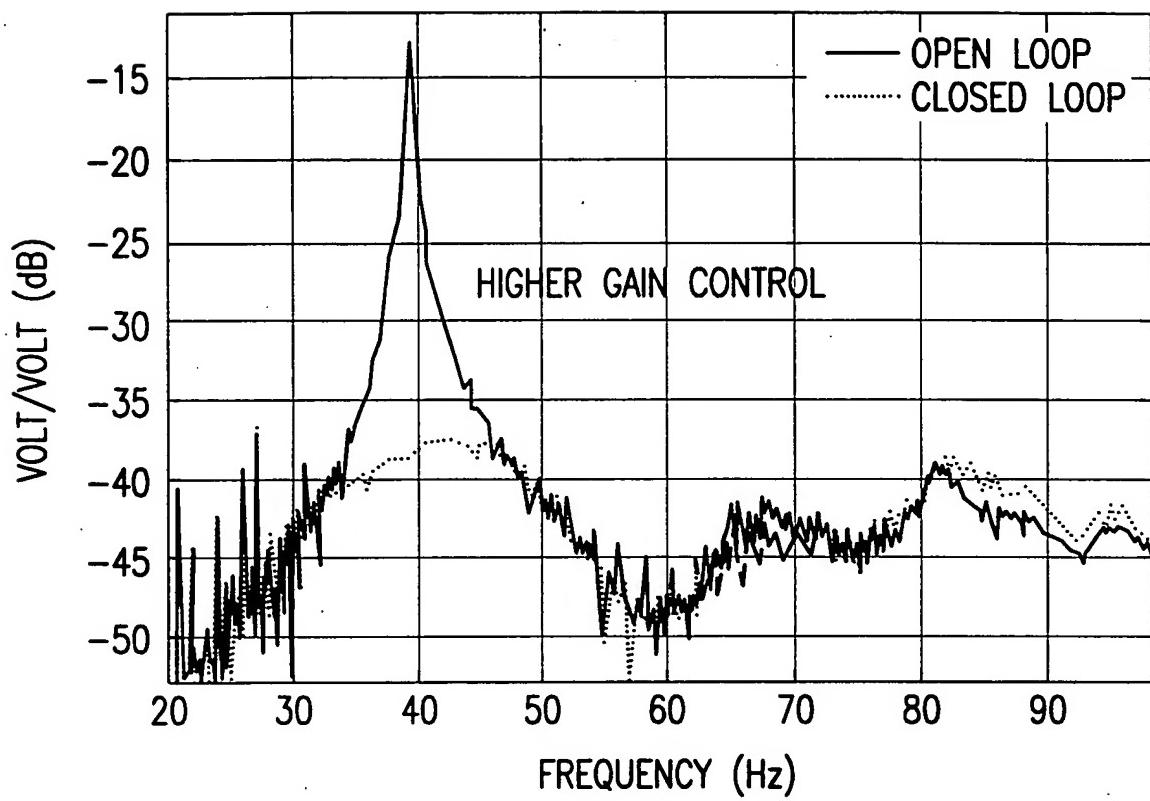


FIG.15

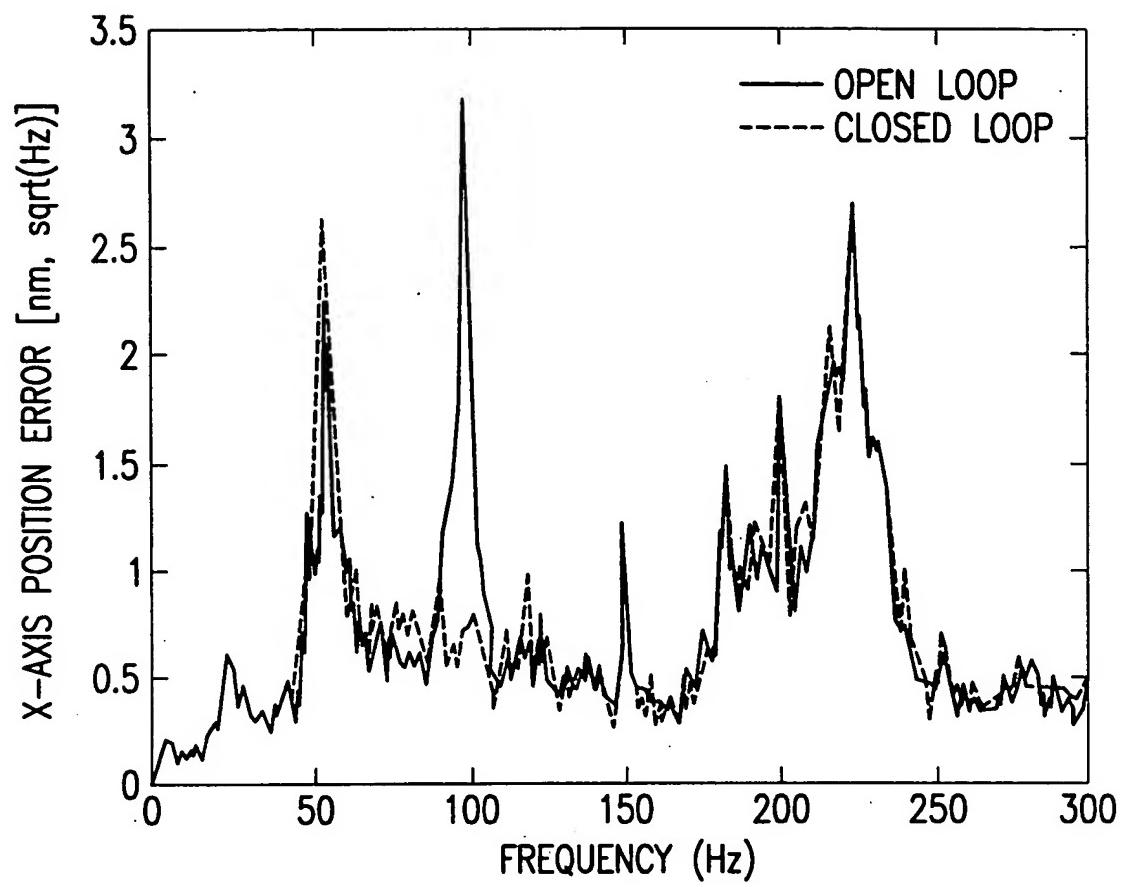


FIG.16

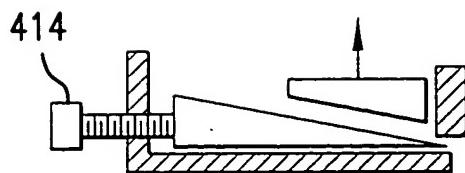


FIG.17

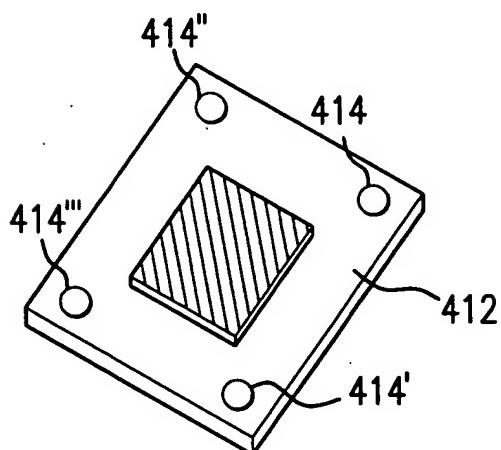


FIG.18

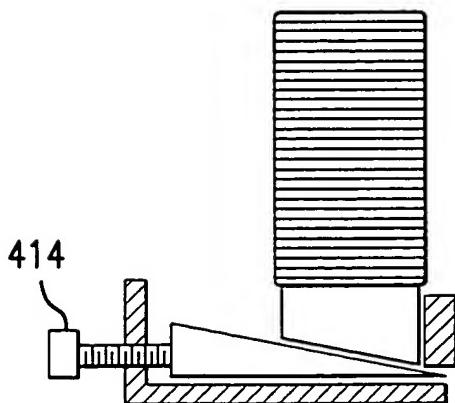


FIG.19

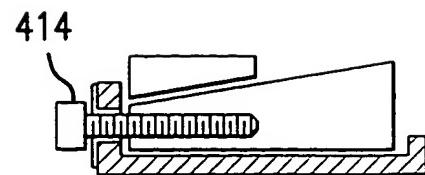


FIG.20

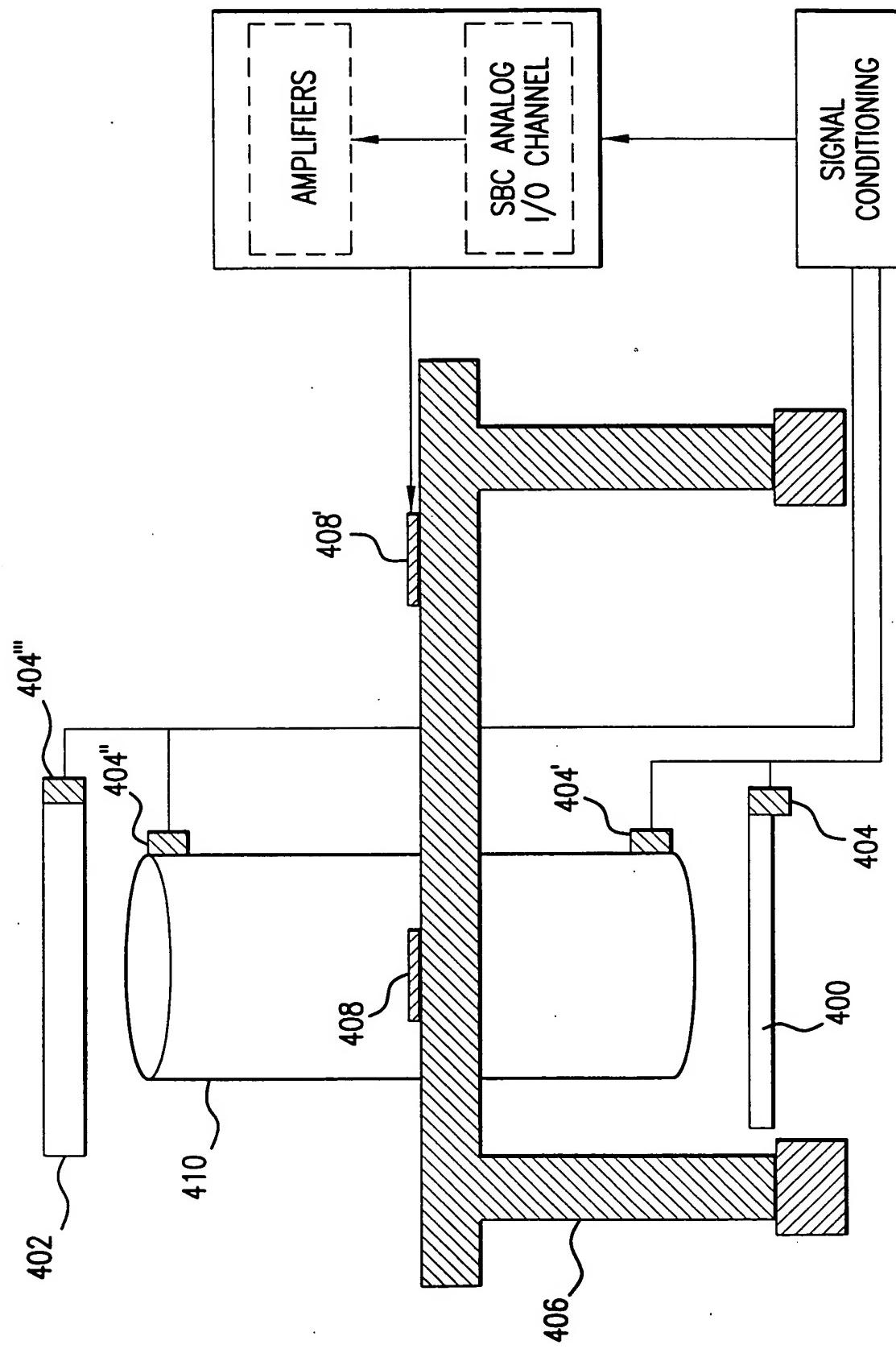
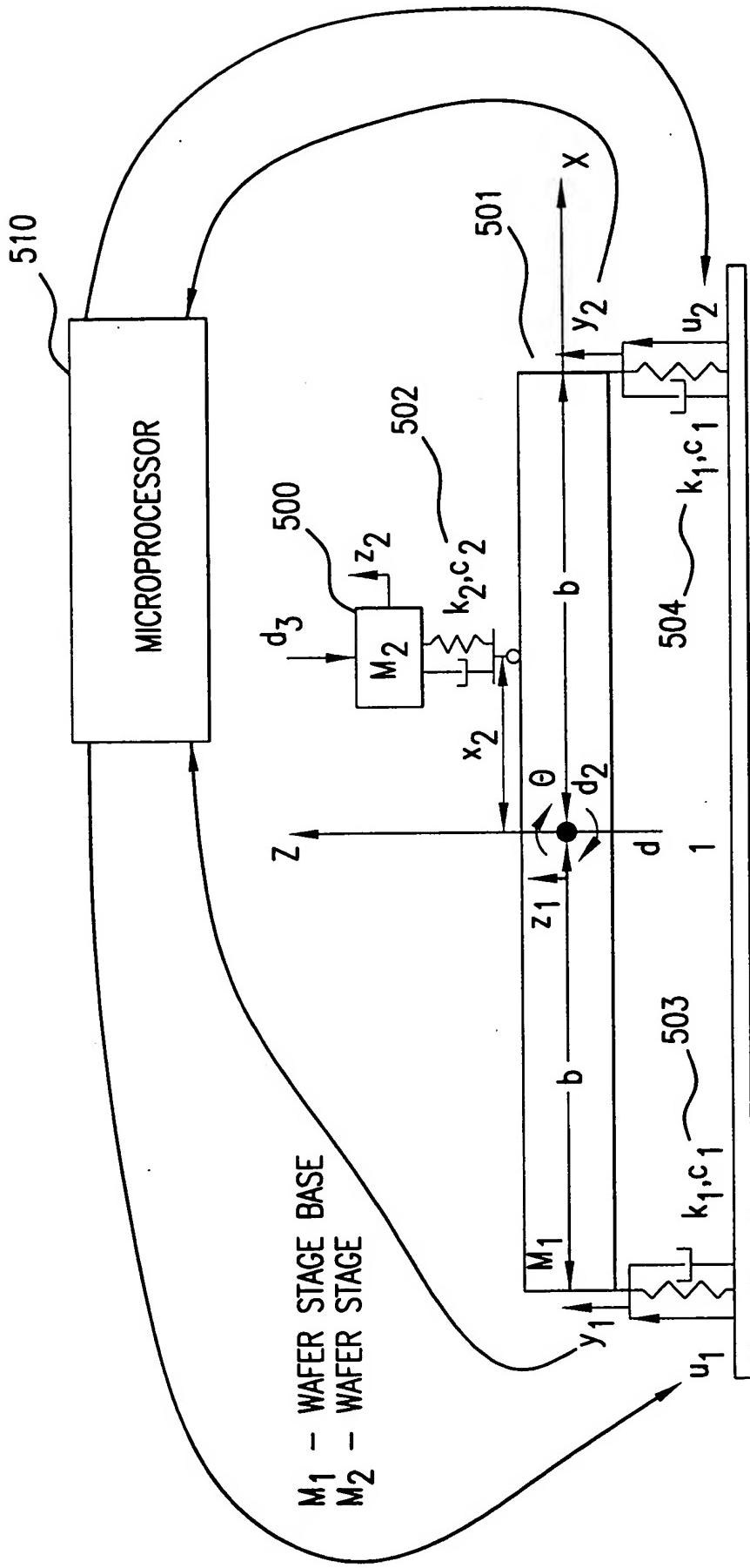


FIG.21



- INPUTS (u_1): VOICE COIL FORCES ON BASE IN Z
- OUTPUTS (y_1): LASER DISPLACEMENT MEASUREMENTS COLLOCATED WITH VOICE COIL INPUTS
- DISTURBANCES (d_1): Z-FORCE AND θ MOMENT ON BASE, Z FORCE ON STAGE

FIG. 22

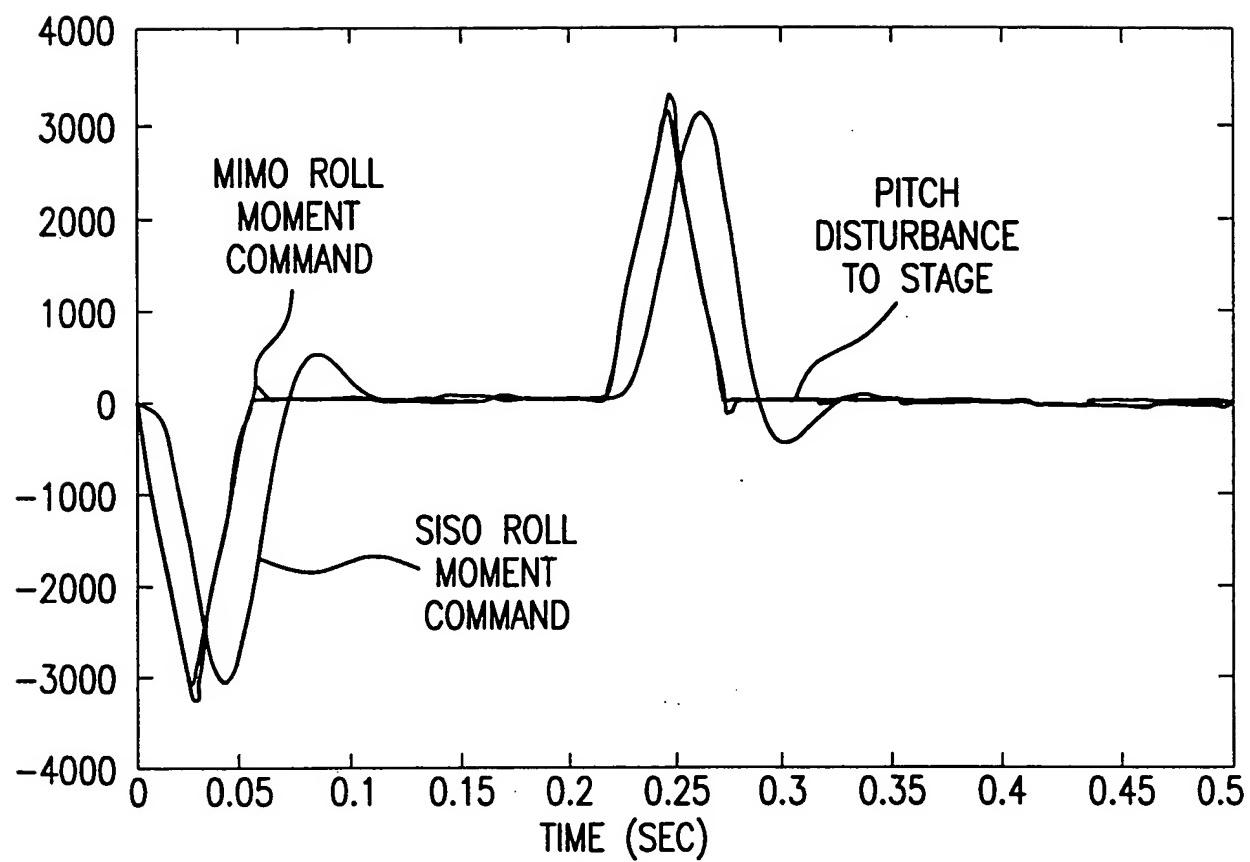


FIG.23

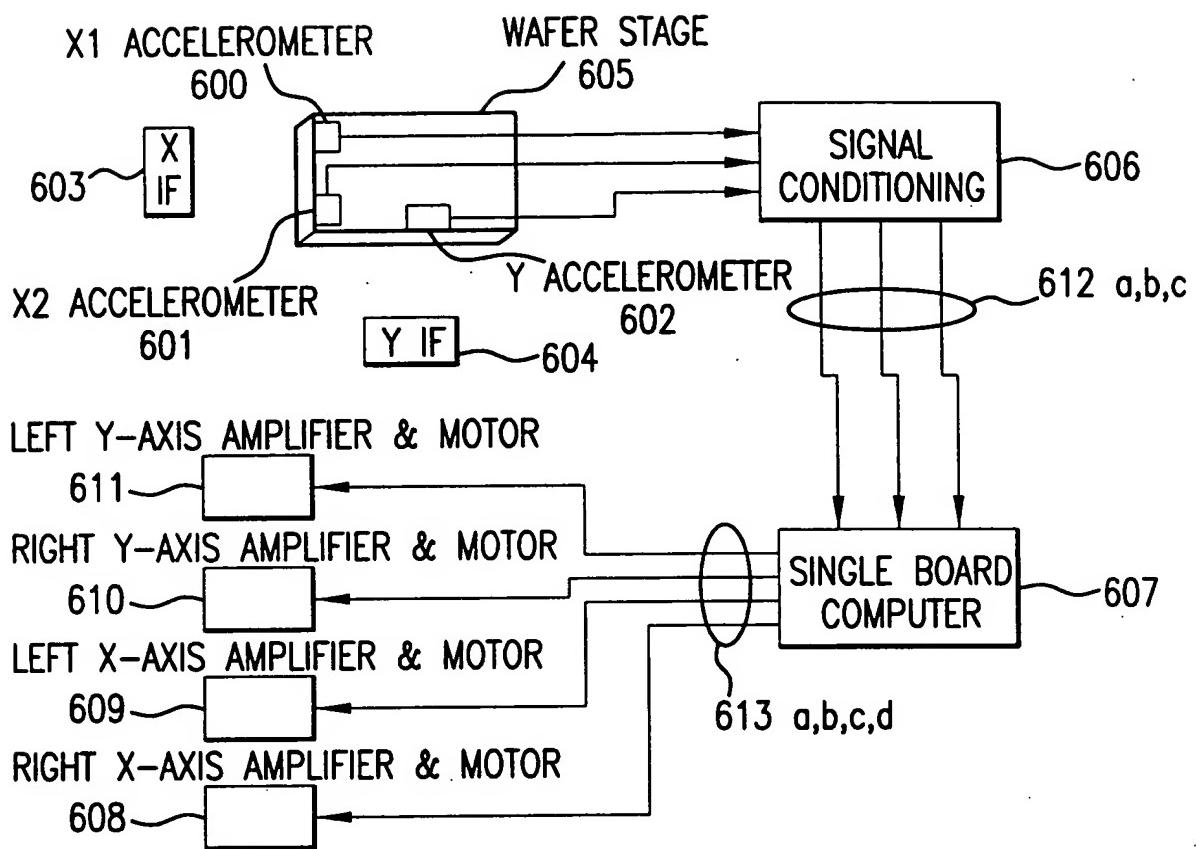


FIG.24

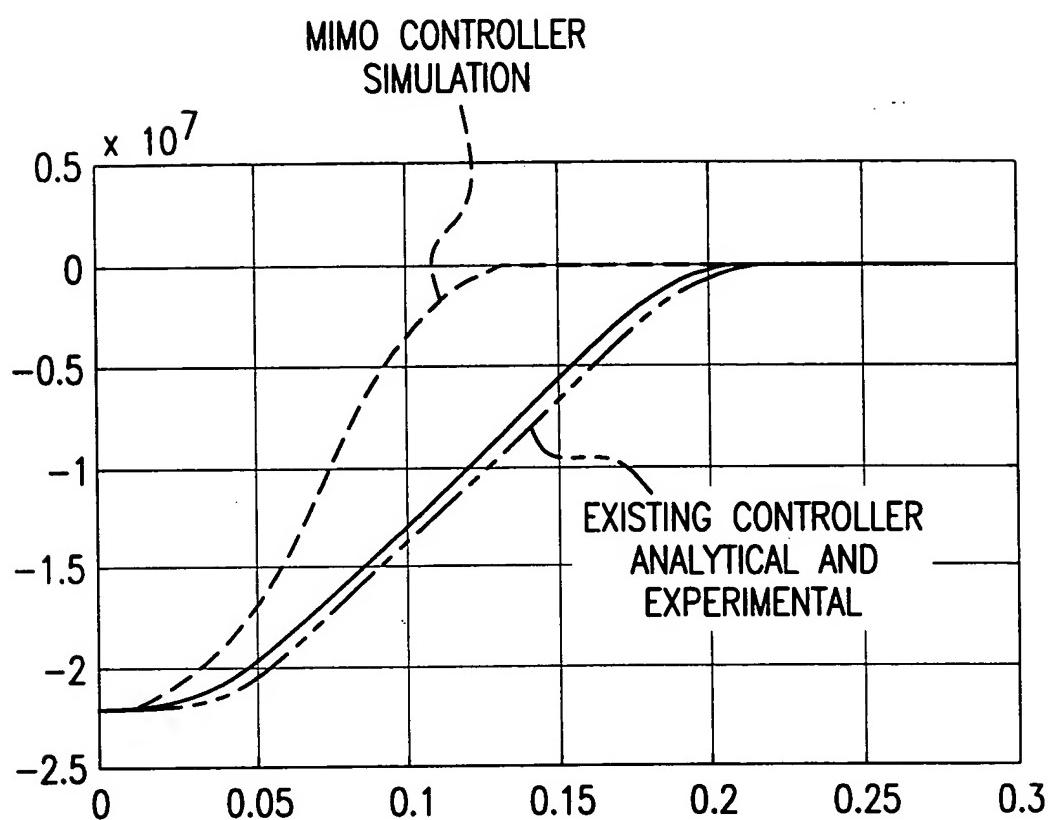
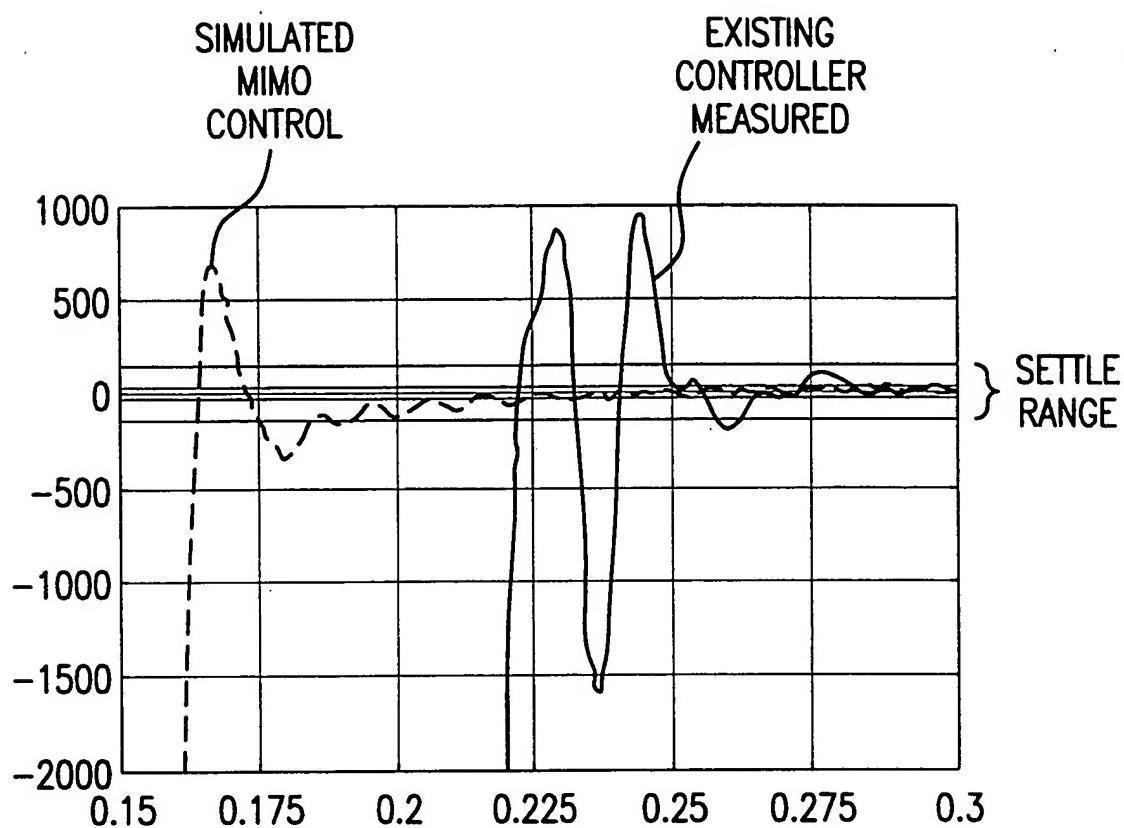


FIG.25



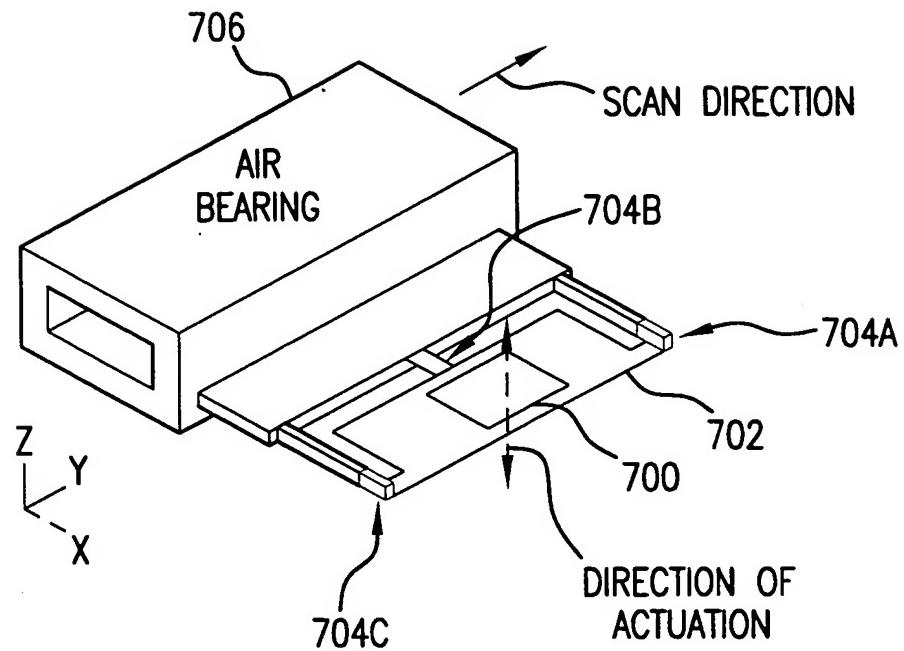


FIG.27

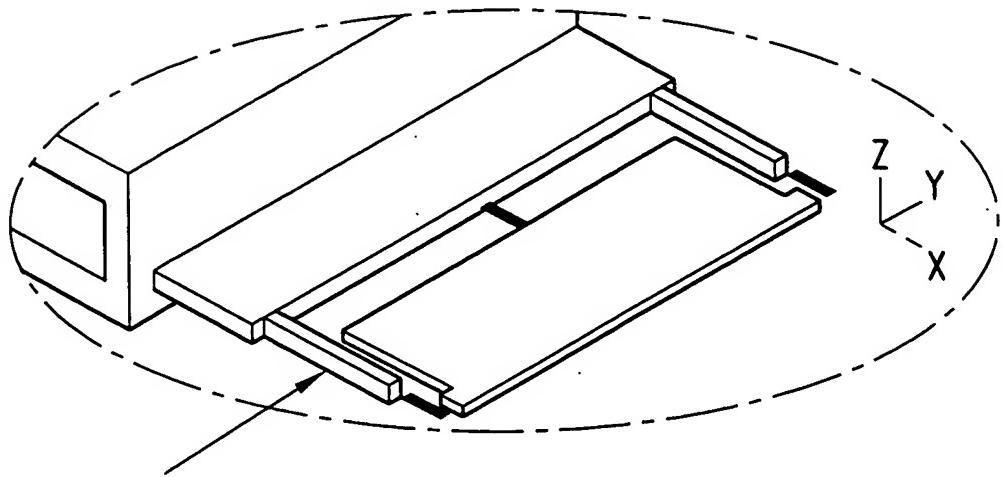


FIG.28A

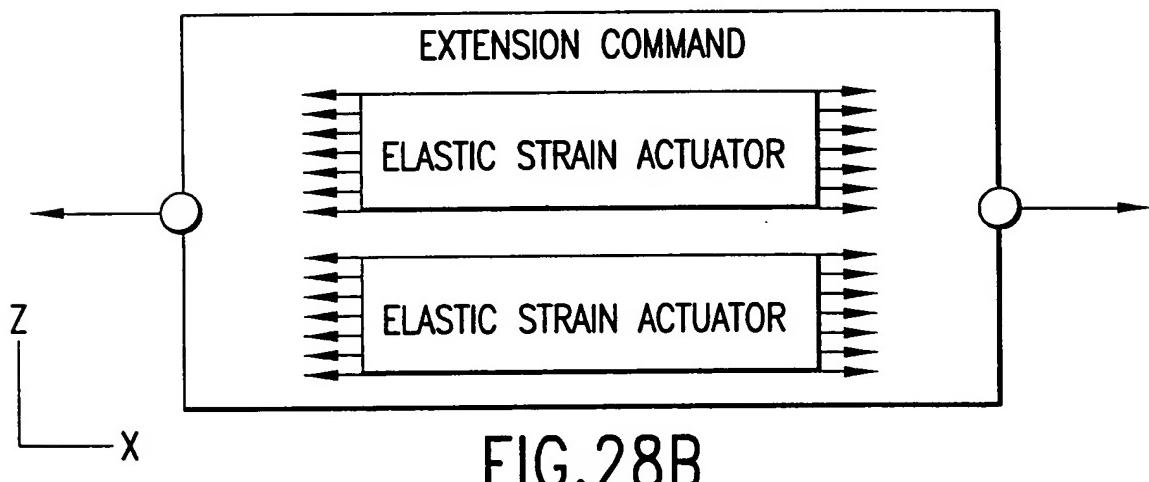


FIG.28B

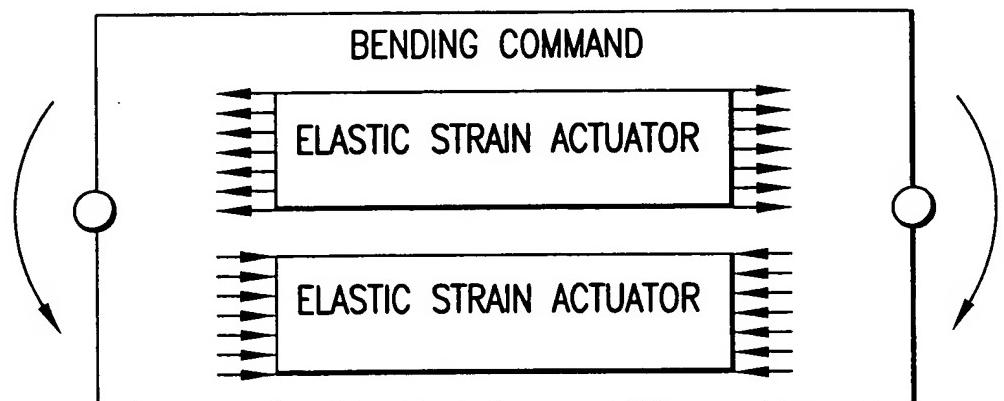


FIG.28C

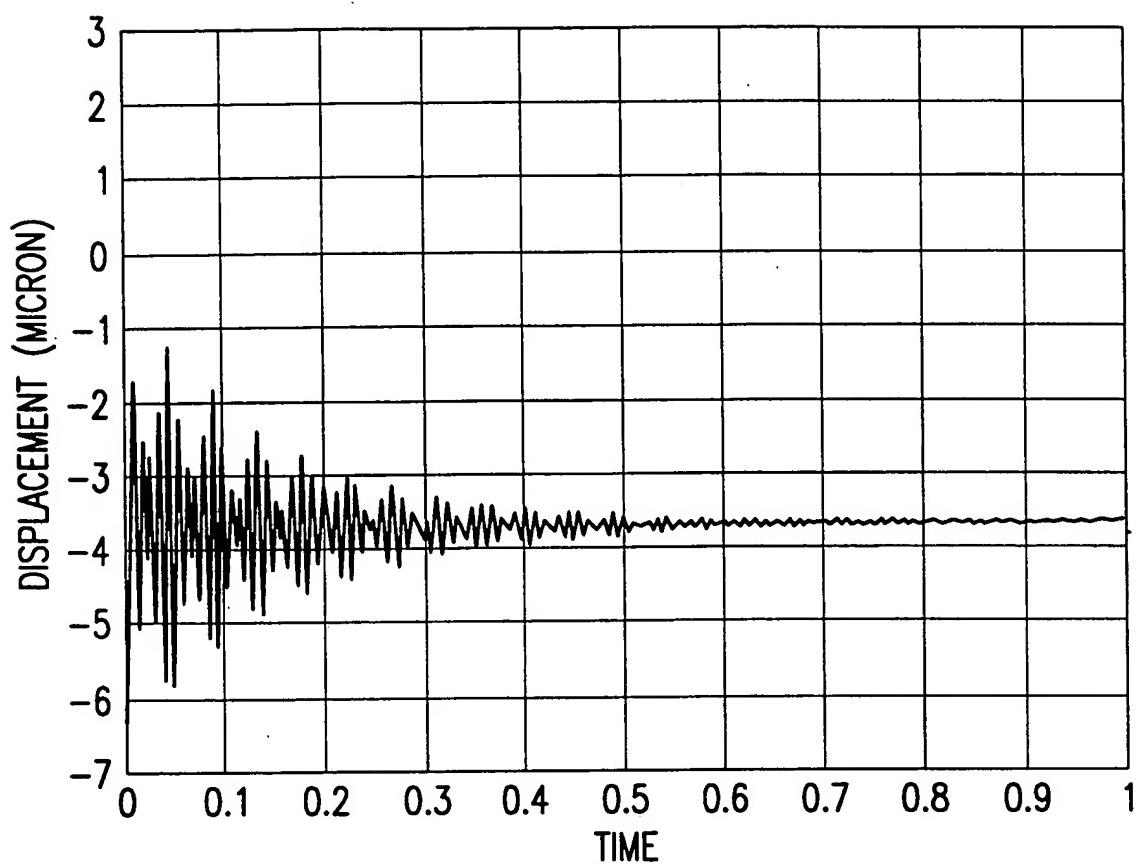


FIG.29A

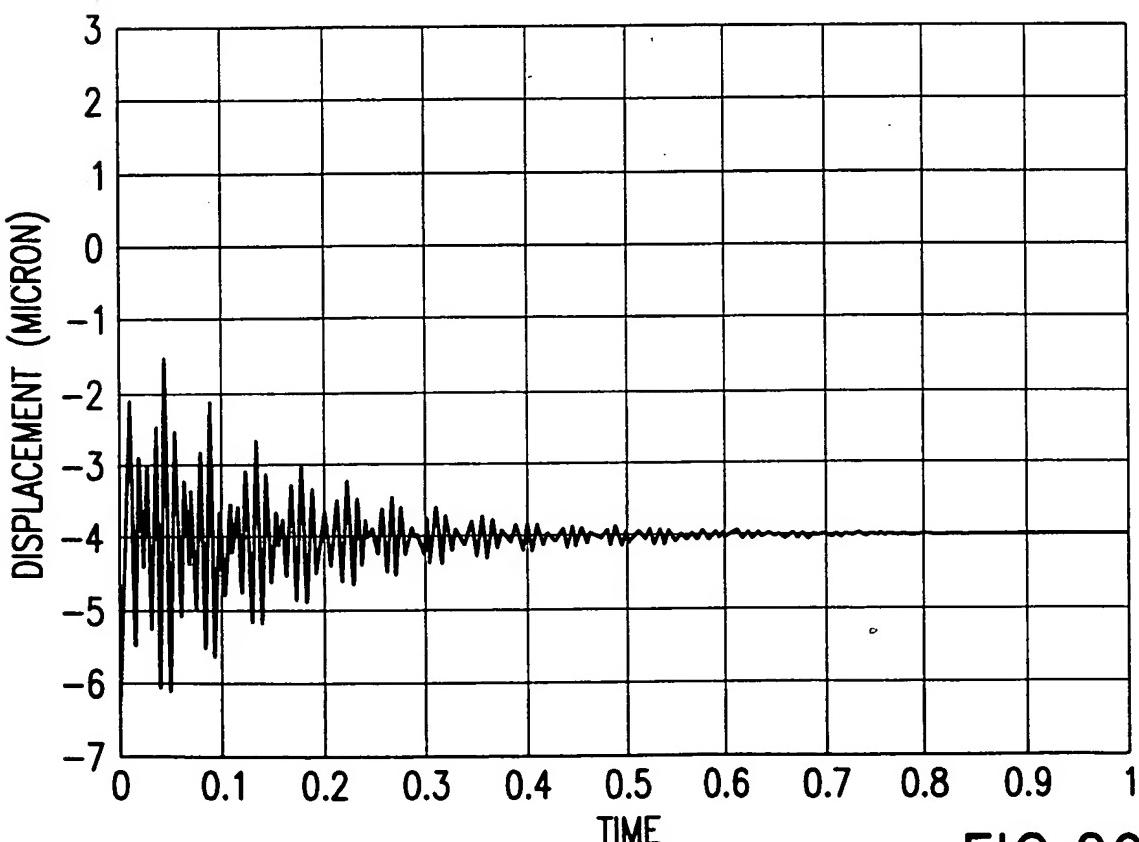


FIG.29B

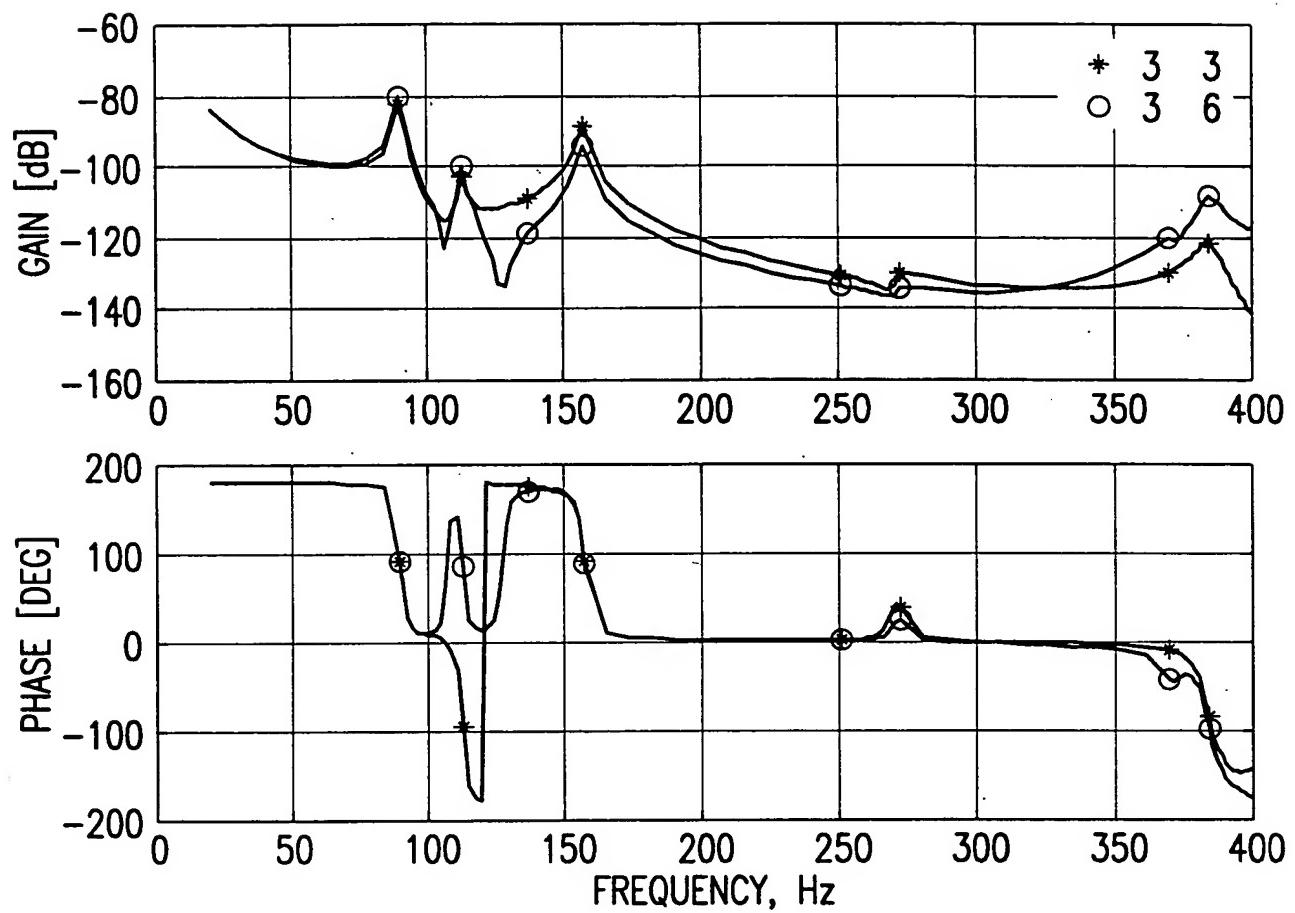


FIG.30A

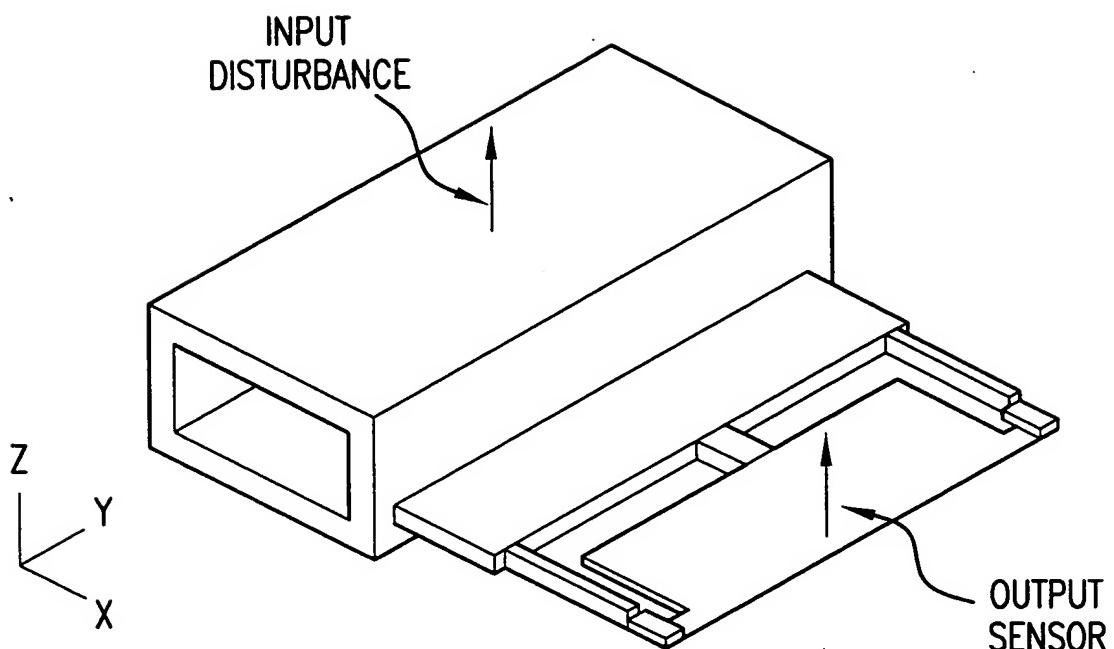


FIG.30B

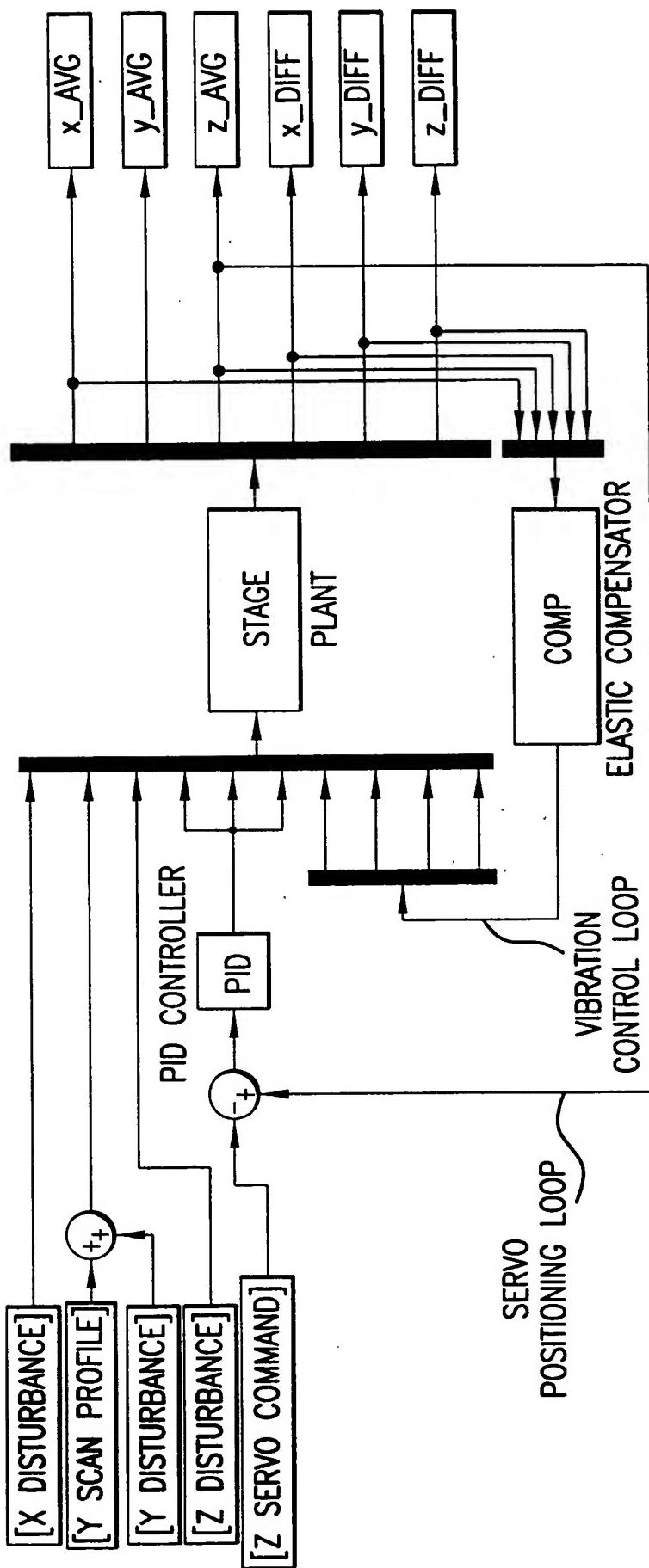


FIG.31

32/33

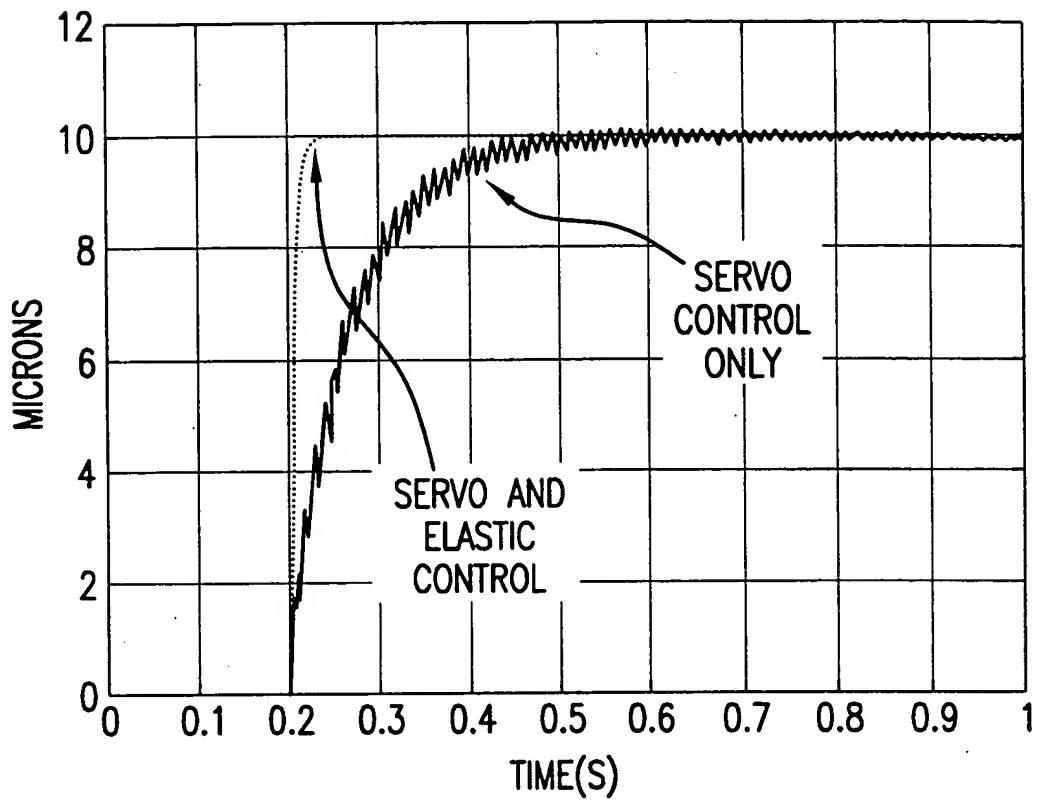


FIG.32

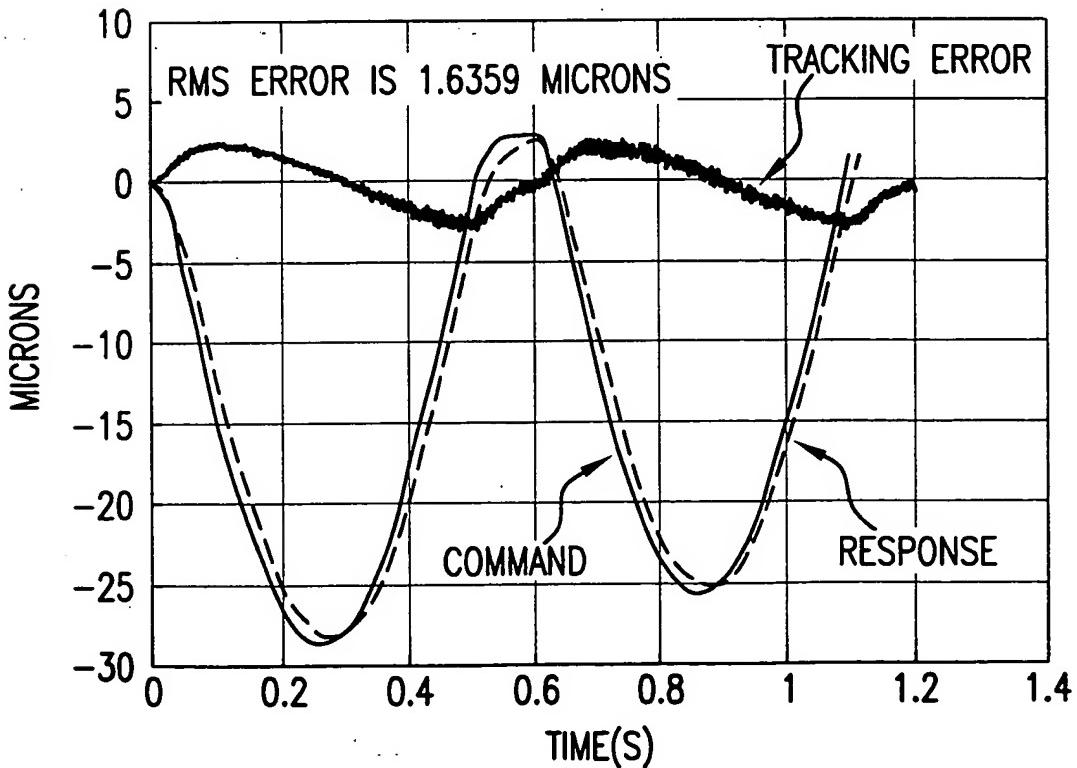


FIG.33

33/33

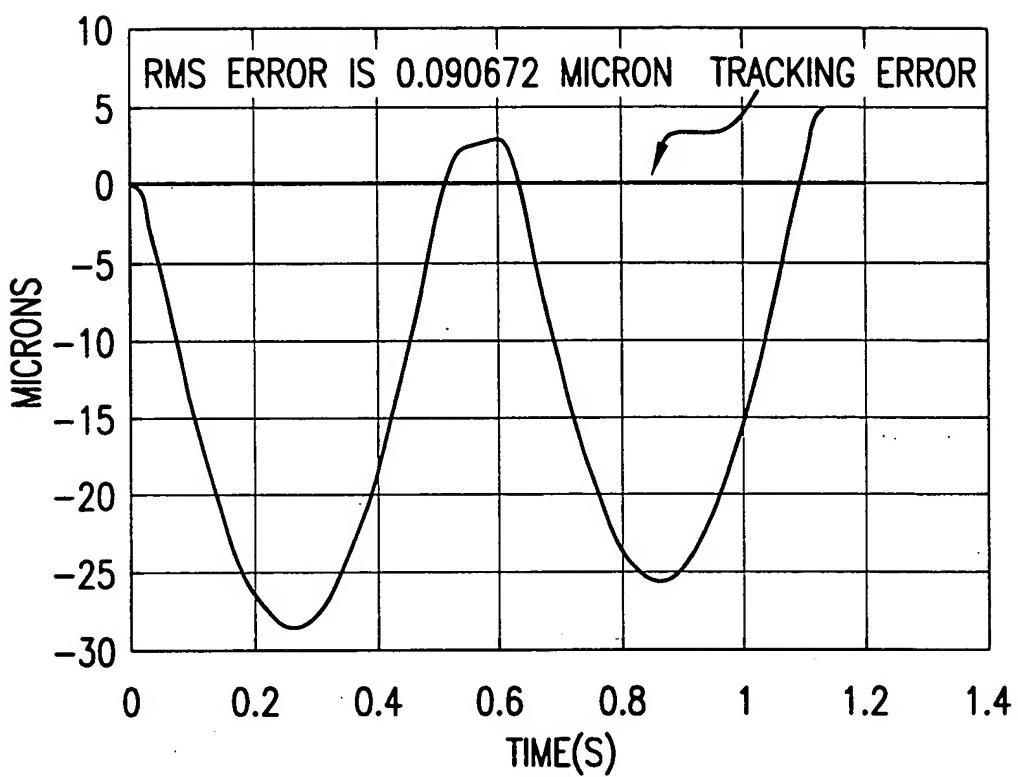


FIG.34